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# FEE TRANSMITTAL

Patent fees are subject to annual revision.

## Complete If Known

Application Number	10/826,320
Filing Date	19 April 2004
First Named Inventor	JUN-HYUK LEE
Examiner Name	VU, MICHAEL T
Group/Art Unit	2683
Attorney Docket No.	P57051

TOTAL AMOUNT OF PAYMENT

**(\$ 180.00)**

## METHOD OF PAYMENT (check one)

### 1. ☒ Payment Enclosed:

(CHECK #50891)

☒ Check ☐ Credit Card ☐ Money Order  
☐ Other

☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ The Commissioner is hereby authorized to charge any deficiency and credit any over payments to:

Deposit Account Number: **02-4943**

## FEE CALCULATION

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
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### EXTENSION OF TIME FEES

1251	120	2251	60	Extension for reply within first month	\$
1252	450	2252	225	Extension for reply within second month	\$
1253	1020	2253	510	Extension for reply within third month	\$
1254	1590	2254	795	Extension for reply within fourth month	\$
1255	2160	2255	1080	Extension for reply within fifth month	\$

### APPEAL

1401	500	2401	250	Notice of Appeal	\$
1402	500	2402	250	Filing a brief in support of an appeal	\$
1403	1000	2403	500	Request for oral hearing	\$

### CLAIMS

1201	200	2201	100	Independent claims in excess of 3	\$
1202	50	2202	25	claims in excess of 20	\$

Other Fee (specify) \_\_\_\_\_ \$

Other Fee (specify) \_\_\_\_\_ \$

Other Fee (specify) \_\_\_\_\_ \$

**SUBTOTAL: LEFT COLUMN \$ 0.00**

## FEE CALCULATION

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
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### MISCELLANEOUS

1801	\$790	2801	\$395	Request for continued examination (RCE)	\$
1806	\$180			Submission of an IDS	\$ 180.00
1814	\$130	2814	\$65	Statutory disclaimer	\$
8021	\$40			Recordation of assignment per property	\$

### TRADEMARK

6001/7001	\$335			Application for registration, per class	\$
6002/7002	\$100			Amendment to Allege Use, per class	\$
6003/7003	\$100			Statement of Use, per class	\$
6004/7004	\$150			Request for six-month extension of time, per class	\$
6205/7205	\$100			\$8 affidavit, per class	\$
6208/7208	\$200			\$15 affidavit, per class	\$
6201/7201	\$400			Application for renewal, per class	\$
6403/7403	\$100			Ex parte appeal, per class	\$

### PETITION

1462	\$400			Petitions to Director (Group I)	\$
1463	\$200			Petitions to Director (Group II)	\$
1464	\$130			Petitions to Director (Group III)	\$
1452	\$500	2452	\$250	Petitions to revive unavoidably abandoned application	\$
1453	\$1500	2453	\$750	Petitions to revive unintentionally abandoned application	\$

### PATENT MAINTENANCE

1551	\$900	2551	\$450	Due at 3.5 years	\$
1552	\$2300	2552	\$1150	Due at 7.5 years	\$
1553	\$3800	2553	\$1900	Due at 11.5 years	\$

Other Fee (specify) \_\_\_\_\_ \$

Other Fee (specify) \_\_\_\_\_ \$

Other Fee (specify) \_\_\_\_\_ \$

**SUBTOTAL: RIGHT COLUMN \$ 180.00**

## SUBMITTED BY

Typed or Printed Name

**Robert E. Bushnell, Esq.**

Signature

Date

31 May 2006

## Complete (if applicable)

Reg. Number

**27,774**

Deposit Account User ID

REB/ny

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PATENT  
P57051

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

JUN-HYUK LEE

Serial No.: 10/826,320

Examiner: VU, MICHAEL T

Filed: 19 April 2004

Art Unit: 2683

For: PERFORMING TERMINAL AUTHENTICATION AND CALL PROCESSING IN  
PRIVATE WIRELESS HIGH-SPEED DATA SYSTEM

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O.Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references. Under 37 C.F.R. §1.98(a)(2) however, copies of U.S. patent reference(s) are not provided.

**U.S. PATENT REFERENCE(S):**

- U.S. Patent Publication No. 2003/0008649 to Larson, entitled *CENTRALIZED USER DATABASE AND ADMINISTRATIVE NODE CONNECTING PRIVATE AND PUBLIC WIRELESS COMMUNICATIONS SYSTEMS*, published on 9 January 2003;
- U.S. Patent No. 6,539,237 to Sayers *et al.*, entitled *METHOD AND APPARATUS FOR INTEGRATED WIRELESS COMMUNICATIONS IN PRIVATE AND PUBLIC NETWORK ENVIRONMENTS*, issued on 25 March 2003;

Folio: P57051  
Date: 5/31/2006  
I.D.: REB/ny

- U.S. Patent Publication No. 2003/0069013 to Lee *et al.*, entitled *APPARATUS, METHOD AND SYSTEM FOR MATCHING SUBSCRIBER STATES IN NETWORK IN WHICH PUBLIC LAND MOBILE NETWORK AND WIRED/WIRELESS PRIVATE NETWORK ARE INTERWORKED*, published on 10 April 2003 (**already cited in the Information Disclosure Statement filed on 19 April 2004, which was acknowledged by the Examiner in the first Office action (Paper No. 12062005) mailed 13 December 2005**); and
- U.S. Patent Publication No. 2003/0078047 to Lee *et al.*, entitled *APPARATUS, METHOD AND SYSTEM FOR MATCHING SUBSCRIBER STATES IN NETWORK IN WHICH PUBLIC LAND MOBILE NETWORK AND WIRED/WIRELESS PRIVATE NETWORK ARE INTERWORKED*, published on 24 April 2003 (**already cited in the Information Disclosure Statement filed on 19 April 2004, which was acknowledged by the Examiner in the first Office action (Paper No. 12062005) mailed 13 December 2005**).

**OTHER DOCUMENT(S):**

- *Office action* from the Australian Patent Office issued in Applicant's corresponding Australian Patent Application No. 2004201346 dated 25 July 2005.

## **DISCUSSION**

As written in the Office action issued by the Australian Patent Office on the 25<sup>th</sup> of July 2005 in applicant's corresponding Australian Patent Application No. 2004201346 corresponding to applicant's above-captioned U.S. Patent Application, **Larson'649** discloses that a cluster of private wireless communications systems connects to a public wireless communications system via single administrative node. The administrative node includes a shared user database containing information associated with every user of the private systems. The administrative node also includes a shared system and configuration database containing network administration information for each private system in the cluster. The administrative node further includes a switching unit connected between each private system and to the public system. Roaming among the private systems in the cluster is facilitated by storing all user data at a central shared user database, accessed by each private system as necessary. System administration, particularly for shared system parameters, is simplified by a single administrative interface common to all the private systems. The entire cluster of private systems appears as a single connection to the public system, and utilizes only a single point code or other network address.

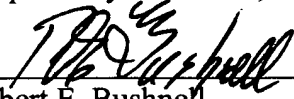
**Sayers et al.'237** discloses that a communication system formed by a private network that includes a private wireless network. The communication system includes a public wireless network using a public wireless protocol, such as GSM, and includes public networks, such as PSTN, ISDN and the Internet, using a wired protocol, such as IP. The private network also includes a local area

network (LAN) and the private network connects to the public networks using a wired packet protocol, such as IP. The public and private wireless networks operate with the same public wireless protocol, such as GSM, and the private wireless network additionally operates with a wired packet protocol, such as IP. The communication system permits users to operate freely in both public and private wireless networks using standard mobile stations while achieving high private network data rates. The communication system uses normal wireless handsets or other mobile or fixed stations without need for any modifications.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

Pursuant to 37 C.F.R. §1.97(c)(2), the fee set forth under 37 C.F.R. §1.17(p) of \$180.00 accompanies this Information Disclosure Statement. Should the check become lost, be deficient in payment, or should other fees be incurred, the Commissioner is authorized to charge Deposit Account No. 02-4943 of Applicant's undersigned attorney in the amount of such fees.

Respectfully submitted,

  
Robert E. Bushnell  
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Date: 31 May 2006  
I.D.: REB/ny



<b>INFORMATION DISCLOSURE STATEMENT</b> <b>PTO-1449 (PAGE 1 OF 1)</b>	<b>SERIAL NUMBER</b> 10/826,320	<b>DOCKET NO.</b> P57051
	<b>APPLICANT</b> JUN-HYUK LEE	
	<b>FILING DATE</b> 19 April 2004	<b>GROUP</b> 2683

<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	2003/0008649	01/09/03	Larson				
	6,539,237	03/25/03	Sayers <i>et al.</i>				

<b>FOREIGN PATENT DOCUMENTS</b>						<b>TRANSLATION</b>	
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO

<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>	
	Office action from the Australian Patent Office issued in Applicant's corresponding Australian Patent Application No. 2004201346 dated 25 July 2005

<b>EXAMINER:</b>	<b>DATE CONSIDERED:</b>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.